

Publications:

Wang H, Wu LJ, Kim SS, Lee FJ, Gong B, Toyoda H, Ren M, Shang YZ, Xu H, Liu F, Zhao MG, Zhuo M. FMRP acts as a key messenger for dopamine modulation in the forebrain. *Neuron*. 2008 Aug 28;59(4):634-47.

Wang M, Lee FJ, Liu F. Dopamine receptor interacting proteins (DRIPs) of dopamine D1-like receptors in the central nervous system. *Mol Cells*. 2008 Apr 30;25(2):149-57. Epub 2008 Mar 28. Review.

Lee FJ, Liu F. Genetic factors involved in the pathogenesis of Parkinson's disease. *Brain Res Rev*. 2008 Aug;58(2):354-64. Epub 2008 Feb 11.

Moszczynska A, Saleh J, Zhang H, Vukusic B, Lee FJ, Liu F. Parkin disrupts the alpha-synuclein/dopamine transporter interaction: consequences toward dopamine-induced toxicity. *J Mol Neurosci*. 2007;32(3):217-27.

Lee FJ, Pei L, Moszczynska A, Vukusic B, Fletcher PJ, Liu F. Dopamine transporter cell surface localization facilitated by a direct interaction with the dopamine D2 receptor. *EMBO J*. 2007 Apr 18;26(8):2127-36. Epub 2007 Mar 22.

Zou S, Li L, Pei L, Vukusic B, Van Tol HH, Lee FJ, Wan Q, Liu F. Protein-protein coupling/uncoupling enables dopamine D2 receptor regulation of AMPA receptor-mediated excitotoxicity. *J Neurosci*. 2005 Apr 27;25(17):4385-95.

Lee FJ, Liu F. Direct interactions between NMDA and D1 receptors: a tale of tails. *Biochem Soc Trans*. 2004 Dec;32(Pt 6):1032-6. Review.

Pei L, Lee FJ, Moszczynska A, Vukusic B, Liu F. Regulation of dopamine D1 receptor function by physical interaction with the NMDA receptors. *J Neurosci*. 2004 Feb 4;24(5):1149-58.

Chen F, Tandon A, Sanjo N, Gu YJ, Hasegawa H, Arawaka S, Lee FJ, Ruan X, Mastrangelo P, Erdebil S, Wang L, Westaway D, Mount HT, Yankner B, Fraser PE, St George-Hyslop P. Presenilin 1 and presenilin 2 have differential effects on the stability and maturation of nicastrin in mammalian brain. *J Biol Chem*. 2003 May 30;278(22):19974-9. Epub 2003 Mar 18.

Lee FJ, Xue S, Pei L, Vukusic B, Chéry N, Wang Y, Wang YT, Niznik HB, Yu XM, Liu F. Dual regulation of NMDA receptor functions by direct protein-protein interactions with the dopamine D1 receptor. *Cell*. 2002 Oct 18;111(2):219-30.

Xu J, Kao SY, Lee FJ, Song W, Jin LW, Yankner BA. Dopamine-dependent neurotoxicity of alpha-synuclein: a mechanism for selective neurodegeneration in Parkinson disease. *Nat Med*. 2002 Jun;8(6):600-6.

Lee FJ, Liu F, Pristupa ZB, Niznik HB. Direct binding and functional coupling of alpha-synuclein to the dopamine transporters accelerate dopamine-induced apoptosis. **FASEB J**. 2001 Apr;15(6):916-26.

Sugamori KS, Lee FJ, Pristupa ZB, Niznik HB. A cognate dopamine transporter-like activity endogenously expressed in a COS-7 kidney-derived cell line. **FEBS Lett**. 1999 May 21;451(2):169-74.

Pristupa ZB, McConkey F, Liu F, Man HY, Lee FJ, Wang YT, Niznik HB. Protein kinase-mediated bidirectional trafficking and functional regulation of the human dopamine transporter. **Synapse**. 1998 Sep;30(1):79-87.

Lee FJ, Pristupa ZB, Ciliax BJ, Levey AI, Niznik HB. The dopamine transporter carboxyl-terminal tail. Truncation/substitution mutants selectively confer high affinity dopamine uptake while attenuating recognition of the ligand binding domain. **J Biol Chem**. 1996 Aug 23;271(34):20885-94.

Liu F, Yuan H, Sugamori KS, Hamadanizadeh A, Lee FJ, Pang SF, Brown GM, Pristupa ZB, Niznik HB. Molecular and functional characterization of a partial cDNA encoding a novel chicken brain melatonin receptor. **FEBS Lett**. 1995 Oct 30;374(2):273-8.

Demchyshyn LL, Sugamori KS, Lee FJ, Hamadanizadeh SA, Niznik HB. The dopamine D1D receptor. Cloning and characterization of three pharmacologically distinct D1-like receptors from Gallus domesticus. **J Biol Chem**. 1995 Feb 24;270(8):4005-12.